## WHAT IS CLAIMED IS:

1	1. A matrix graft consisting essentially of collagen and elastin.
	2. A matrix graft in accordance with claim 1, said matrix graft being an
1	2. A matrix graft in accordance with claim 1, said shade group consisting of
2	acellular matrix graft solated from muscle tissue selected from the group consisting of
3	bladder tissue, heart tissue, intestine tissue or stomach tissue.
1	3. A matrix graft in accordance with claim 2, said graft being isolated from
2	bladder tissue.
1	4. A matrix graft in accordance with claim 3, said matrix graft being
2	prepared from tissue isolated from an animal selected from the group consisting of rat,
3	rabbit, hampster, dog, pig and human.
3	Tabolt, nampster, 3-8, 1-8
	5. A matrix graft in accordance with claim 3, said matrix graft being
1	prepared from tissue isolated from an animal selected from the group consisting of rat,
2	rabbit, hampster, dog, pig and human, and indicating essentially no cell nuclei when
3	stained with a dye selected from the group consisting of trichrome, H&E, $\alpha$ -actin and
4	
5	PGP.
	6. A matrix graft in accordance with claim 3, said matrix graft being
1	isolated from human bladder tissue and having an elastic modulus of about 0.40 to about
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3	0.80 MPa.
	7. A matrix graft in accordance with claim 3, said matrix graft being
1	isolated from rat bladder tissue and having an elastic modulus of about 0.80 to about
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3	2.10 MPa.
1	8. A matrix graft in accordance with claim 3, said matrix graft being
2	isolated from pig bladder tissue and having an elastic modulus of about 0.25 to about
3	0.60 MPa.

	1	9. A method for the preparation of a bladder acellular matrix graft,
h	2	comprising:
	3	(a) removing mucosa from an excised bladder cap to provide a bladder wall;
	4	(b) treating the bladder wall with chemical and enzyme agents to release
· (v.	っ 5	intracellular components from said bladder wall to provide an intermediate matrix; and
	6	(c) solubilizing and removing cell membranes and intracellular lipids from
	7	said intermediate matrix to provide a bladder acellular matrix graft.
	1	10. A method in accordance with claim 9, wherein said removal of said
×.	2	mucosa is carried out mechanically.
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	1	11. A method in accordance with claim 9, wherein said enzyme agent is
in	2	DNase.
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	1	12. A method in accordance with claim 9, wherein said chemical agent is
13	2	sodium azide.
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i.i.	1	13. A method in accordance with claim 9, wherein said mucosa is removed
	2	by scraping, said chemical agent is NaN3 and said enzyme agent is DNase.
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	1	14. A method of restoring bladder function in an animal having a partially
	2	damaged bladder, said method comprising:
	3	(a) removing the portion of the bladder which is damaged; and
	4	(b) replacing said portion with a bladder acellular matrix graft to promote
	5	regeneration of bladder tissue and restore said bladder function.
		and
	1	15. A method in accordance with claim 14, wherein said animal is selected
	2	from the group consisting of rat, pig, dog and human.
	1	16. A method in accordance with claim 14, wherein said bladder acellular
	2	matrix graft is prepared according to claim 9 and is derived from xenographic tissue.

	1	17. A method in accordance with claim 14, wherein said bladder acellular
	2	matrix graft is prepared according to claim 9 and is derived from allographic tissue.
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		18. A method for promoting regrowth and healing of damaged or diseased
	1	muscle tissues, said method comprising replacing said damaged or diseased muscle tissue
	2	with an acellular matrix graft prepared from muscle tissue and consisting essentially of
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	4	acellular collagen and elastin.
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	1	19. A method in accordance with claim 18, wherein said muscle tissue is
	2	selected from the group consisting of bladder, heart, intestine and stomach.
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		20. A method in accordance with claim 18, wherein said acellular matrix
M	1	graft is organ-specific for said damaged or diseased muscle tissue.
19	2	graft is organ-specific for said damaged of cases and an arranged of cases and arranged of cases are arranged or cases are arranged of cases are arranged of cases are arranged
Ö		the 12 wherein said acellular matrix
19	1	21. A method in accordance with claim 18, wherein said acellular matrix
[] [4]	2	graft is from autographic tissue.
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	1	22. A method in accordance with claim 18, wherein said acellular matrix
[]	1	graft is from allographic tissue.
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		23. A method in accordance with claim 18, wherein said acellular matrix
	1	
\	2	graft is from xenographic tissue.
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